

Converting Colors

XYZ(17.5791, 18.3438, 18.8765)

Have a look what the booklet for
XYZ(17.5791, 18.3438, 18.8765)
contains.

XYZ(17.5990, 18.3322, 18.8306)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.5990, 18.3322,
18.8306)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7673
RGB	122, 118, 115
RGB Percent	48%, 46%, 45%
CMY	0.5216, 0.5372, 0.5490
CMYK	0.00, 0.03, 0.06, 0.52
HSL	26°, 3%, 46%
HSV	26°, 6%, 48%
XYZ	17.5990, 18.3322, 18.8306
YIQ	118.8540, 3.3470, -0.0850

Conversions

Conversions Part 2

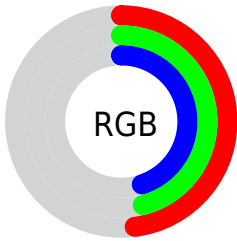
Format	Color
R_{YB}	122, 120, 115
Decimal	8025715
CIE Lab	49.90, 0.95, 2.19
CIE LCh	50, 2.382, 66.584
Yxy	18.3322, 0.3214, 0.3348
Android (android.graphics.Color)	4286215795 (0xFF7A7673)
YUV	118.8540, -1.9000, 2.7590
Hunter-Lab	42.8161, -1.5581, 3.8954

Details

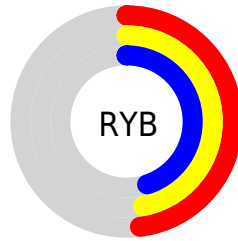
The XYZ color **17.5990, 18.3322, 18.8306** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.1800, 18.2435, 21.0285**, and the grayscale version is **17.4939, 18.4049, 20.0430**.

A 20% lighter version of the original color is **38.8053, 40.5381, 42.3386**, and **5.9509, 6.2020, 6.1937** is the 20% darker color. If you saturate the color by 10%, you get **16.1526, 16.4893, 15.1111**, and if you desaturate by 10%, it is **19.2000, 20.3351, 23.0606**.

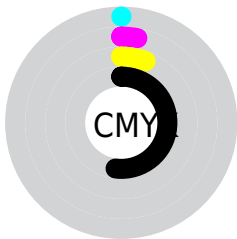
Distribution



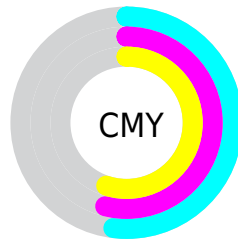
- Red (48%)
- Green (46%)
- Blue (45%)



- Red (48%)
- Yellow (47%)
- Blue (45%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (52%)



- Cyan (52%)
- Magenta (54%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5990, 18.3322, 18.8306 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 17.5990, 18.3322, 18.8306 by changing the saturation by 10% instead.

■ 17.5990, 18.3322,
18.8306

■ 17.5990, 18.3322,
18.8306

231.6905,
242.7369, 257.9035

■ 10.7604, 11.1888,
11.3724

■ 38.8883, 40.6026,
42.2805

■ 5.9721, 6.1939,
6.2006

■ 54.0697, 56.4983,
59.1093

■ 2.8686, 2.9634,
2.8967

■ 72.7628, 76.0802,
79.8987

■ 1.0847, 1.1126,
1.0421

■ 95.3329, 99.7328,
105.0672

■ 0.0122, 0.0000,
0.0000

122.1454,
127.8403, 135.0334

■ 0.0000, 0.0000,
0.0000

153.5656,

160.7872, 170.2158

189.9588,
198.9580, 211.0330

■ 17.5990, 18.3322,
18.8306

■ 17.5990, 18.3322,
18.8306

■ 16.1526, 16.4893,
15.1111

■ 19.2000, 20.3351,
23.0606

■ 14.8543, 14.8000,
11.8813

■ 20.9588, 22.4996,
27.8183

■ 13.6995, 13.2609,
9.1209

■ 22.8804, 24.8302,
33.1216

■ 12.6825, 11.8675,
6.8075

■ 24.9689, 27.3305,
38.9873

■ 11.7976, 10.6151,
4.9172

■ 27.2287, 30.0040,
45.4313

■ 11.0382, 9.4988,
3.4235

■ 29.6635, 32.8541,
52.4690

■ 10.3974, 8.5132,
2.2969

■ 32.2773, 35.8841,
60.1152

■ 9.8671, 7.6525,
1.5039

■ 35.0737, 39.0972,
68.3841

■ 9.4345, 6.9088,
0.9856

■ 38.0565, 42.4965,
77.2894

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.7786, 18.3322, 19.2217



17.5990, 18.3322, 18.8306



17.3740, 18.3322, 18.7393

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17.5990, 18.3322, 18.8306



16.9923, 18.3322, 20.1049



17.6868, 18.3322, 20.9858

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17.5990, 18.3322, 18.8306



17.1800, 18.2435, 21.0285

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.4745, 18.3322, 21.2340



17.5990, 18.3322, 18.8306



17.0746, 18.3322, 20.7183

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



17.5990, 18.3322, 18.8306



17.0250, 18.3322, 19.4659



17.2506, 18.3322, 21.1350



17.8296, 18.3322, 20.4637

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17.5990, 18.3322, 18.8306



17.2288, 18.3322, 18.8588



17.2506, 18.3322, 21.1350



17.6211, 18.3322, 21.1046

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17.5995, 18.3330, 18.8310



31.9693, 33.5194, 35.7680



17.4919, 17.7333, 19.9803



7.3196, 7.6766, 8.2043



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.5995, 18.3330, 18.8310



30.5816, 31.7716, 32.1380



18.0090, 19.1520, 18.9675



4.1916, 4.3539, 4.4000



9.7499, 6.9558, 0.8287



45.6977, 31.5589, 3.6829

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.1800, 18.2435, 21.0285



29.6680, 31.5768, 36.9242



16.7809, 17.4452, 20.8955



4.0648, 4.3269, 5.0641



5.9752, 6.0329, 20.2348



27.6447, 27.0621, 96.2363

Previews

White Background



This preview shows how the XYZ color 17.5990, 18.3322, 18.8306 looks on a white background.

Color Contrast Check

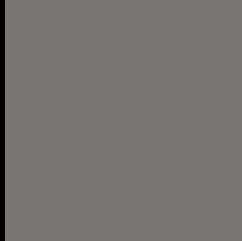
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.5990, 18.3322, 18.8306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

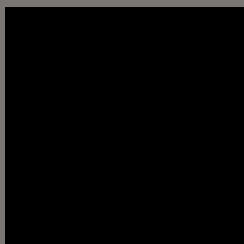
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

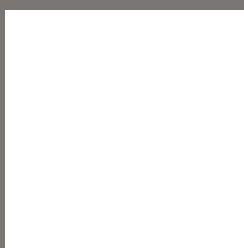
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.5990, 18.3322, 18.8306

Background



This preview shows how black text looks on a background with the XYZ color 17.5990, 18.3322, 18.8306.



This preview shows how white text looks on a background with the XYZ color 17.5990, 18.3322,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

17.5990, 18.3322, 18.8306

Protanopia

17.5990, 18.3322, 18.8306

Deuteranopia

18.6432, 18.3477, 19.0819



Tritanopia

18.3235, 18.2822, 22.3017

Trichromacy



Original Color

17.5990, 18.3322, 18.8306

Protanomaly

17.5990, 18.3322, 18.8306

Deuteranomaly

18.2999, 18.3409, 19.0986

Tritanomaly

18.0425, 18.3387, 21.0011

Monochromacy



Original Color

17.5990, 18.3322, 18.8306

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6126, 18.4947, 19.7811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5990, 18.3322, 18.8306 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(122, 118, 115)` looks like.

```
.text, #text, p{  
    color:rgb(122, 118, 115)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(122, 118, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 118, 115) }
```

Border

The CSS property to change the border of an element to XYZ 17.5990, 18.3322, 18.8306 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(122, 118, 115) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(122, 118, 115) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(122, 118, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 118, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 118, 115);  
box-shadow:4px 4px 4px 4px rgb(122, 118,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5990, 18.3322, 18.8306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 118, 115) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(122,  
118, 115) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor